Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/30/2017 11:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123950	-1	1.53	123735	1.47
Blue	F	SSC	125000	122452	-3	3.00	122682	2.79
Blue	E	FITC	21625	20905	-4	2.41	933	10.00
Blue	D	PE	26832	26358	-2	1.98	946	9.54
Blue	B	PerCP-Cy5-5	48027	47003	-3	3.39	1344	16.80
Blue	A	PE-Cy7	40971	40766	-1	5.02	625	35.18
Red	C	APC	49746	48576	-3	2.81	2793	9.46
Red	A	APC-Cy7	53615	52440	-3	2.80	1082	11.42
Violet	B	V450	14488	13741	-6	5.00	657	9.50
Violet	A	V500	55123	53553	-3	4.75	2366	7.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18716	5.08	603	5	N/A	N/A	Pass
Blue	F	SSC	60967	1.43	534	0	N/A	N/A	Pass
Blue	E	FITC	104	39.41	534	-2	0.0222	238	Pass
Blue	D	PE	207	28.33	530	-1	0.1706	244	Pass
Blue	B	PerCP-Cy5-5	211	44.48	625	-4	0.0103	94	Pass
Blue	A	PE-Cy7	71	112.57	676	-5	0.0121	10	Pass
Red	C	APC	327	27.90	590	-4	0.0205	91	Pass
Red	A	APC-Cy7	118	41.34	574	-6	0.0053	1618	Pass
Violet	B	V450	79	43.04	467	-4	0.0474	2039	Pass
Violet	A	V500	172	25.82	493	-3	0.0139	1058	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.59	-31.16	0.86
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.55	13.27 - 19.91	N/A	N/A	31.38	31.76	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 12824

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments